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MAY 20 2002

USLL-00

10/053,790

Applicant(s)

Silberman, et al.

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1/22/02

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U.S. PATENT DOCUMENTS

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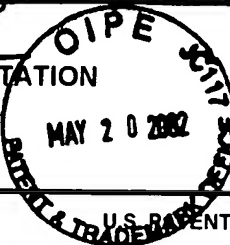
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Form PTO-A820
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10/053,790

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BK	AA	4,348,833	9/14/82	NAGOYA			
	AB	2,052,217	8/25/36	SIBOUR, ET AL.			
	AC	5,746,028	5/5/98	DiBenedetto			
	AD	5,896,708	4/27/99	DOI, ET AL.			
	AE	2,603,171	7/15/52	SMITH			
	AF	2,642,162	6/16/53	TOBIAS			
	AG	3,009,211	11/21/61	HANSEN ET AL.			
	AH	3,213,571	10/26/65	OLSON			
	AI	3,288,158	11/29/66	GUGLIOTTA			
	AJ	3,534,511	10/20/70	CAPPELLA			
	AK	3,608,252	9/28/71	BISSON			

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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BK	CA	2-217539A	8/90	JAPAN (abstract enclosed)				✓
	CB	3-115632A	5/91	JAPAN (abstract enclosed)				✓
	CC	4-323446A	11/92	JAPAN (abstract enclosed)				✓
	CD	2-269237A	11/90	JAPAN (abstract enclosed)				✓
	CE	3-87434A	4/91	JAPAN (abstract enclosed)				✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER
Paul Kelt

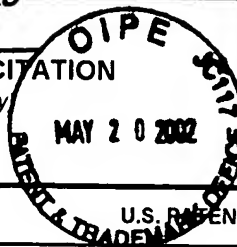
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PK	AL	3,766,691	10/23/73	RAY			
	AM	4,175,361	11/27/79	KUMODE			
	AN	4,257,199	3/24/81	KUBOYAMA			
	AO	4,587,775	5/13/86	LEWIS ET AL.			
	AP	4,616,451	10/14/86	GLICK			
	AQ	4,676,033	6/30/87	ALLEN ET AL.			
	AR	4,682,449	7/28/87	BERGER			
	AS	4,706,419	11/17/87	ADACHI ET AL.			
	AT	4,716,691	1/5/88	ALLEN ET AL.			
	AU	4,727,688	3/1/88	KIDA ET AL.			
	AV	4,738,057	4/19/88	LOGAN			

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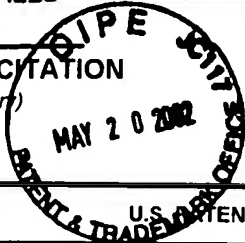
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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
BK	CF	NL 8006712	7/82	NETHERLANDS (abstract	enclosed)			✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER Daniel Kahan	DATE CONSIDERED 6/5/03
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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BK	AW	4,751,800	6/21/88	KIDA ET AL.			
	AX	4,802,314	2/7/89	SCHILDGE, JR.			
	AY	4,831,792	5/23/89	BERGER			
	AZ	4,833,837	5/30/89	BONNEAU			
	BA	4,920,707	5/1/90	MOSKALIUK ET AL.			
	BB	4,936,060	6/26/90	GELINAS ET AL.			
	BC	4,942,698	7/24/90	KUMAGAI			
	BD	4,995,203	2/26/91	BRISBIN ET AL.			
	BE	5,007,214	4/16/91	ITAMI, ET AL.			
	BF	5,010,695	4/30/91	SCHILDGE, JR.			
	BG	5,027,565	7/2/91	SUGIZAKI			

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							YES	NO

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BK	BH	5,035,093	7/30/91	PARAZADER ET AL.			
	BI	5,058,332	10/22/91	MASUYAMA ET AL.			
	BJ	5,062,243	11/5/91	KUMAGAI			
	BK	5,063,730	11/12/91	MURAMOTO ET AL.			
	BL	5,103,600	4/14/92	GEIGER ET AL.			
	BM	5,117,594	6/2/92	MURAMOTO ET AL.			
	BN	5,167,097	12/1/92	ROBBIE ET AL.			
	BO	5,203,125	4/20/93	SUGIZAKI			
	BP	5,257,481	11/2/93	REPPAS ET AL.			
	BQ	5,257,485	11/2/93	KAWAGUCHI ET AL.			
	BR	5,371,983	12/13/94	KAWAGUCHI ET AL.			

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							YES	NO

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